

Amendments to the Specification:

Please replace the paragraph beneath the heading “**ABSTRACT OF THE DISCLOSURE**” on page 18 of the application with the following paragraph:

In one embodiment, a method that includes creating a filter structure using a parameter of a periodic pulse train, the filter structure having a plurality of time slots, each time slot being associated with a memory value; receiving a pulse at a time; incrementing the memory value associated with the time slot corresponding to the time the pulse was received; filtering the pulse if the memory value exceeds a threshold; and transmitting the pulse to a processor if the memory value does not exceed the threshold. In another embodiment, an apparatus that includes an input filter; a pulse detection circuit coupled to the input filter; a periodic pulse filter coupled to the pulse detection circuit; and a pulse queuing and transmission circuit coupled to the periodic pulse filter. ~~Other embodiments are disclosed.~~